

U.S. Pat. Appl. 10/524,759

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 9 of the specification with the following revised abstract which is submitted on a separate sheet.

Abstract

The invention relates to a pressure mediator comprising a base body [[(1)]] having a membrane bed [[(11)]], wherein said base body [[(1)]] has a first material with a first thermal expansion coefficient, in addition to a separating membrane [[(2)]] having a second material with a second thermal expansion coefficient that is smaller than the first thermal expansion coefficient[[,]] wherein the The separating membrane [[(2)]] is fixed to the base body [[(1)]] by its edge area in such a way that the membrane bed [[(11)]] is covered by the separating membrane [[(2)]], wherein said and the separating membrane [[(2)]] also has a relief [[(21)]] that was is formed by embossing against the membrane bed after the separating membrane was fixed to the base body. According to the invention, embossing Embossing of the membrane relief was is carried out at a temperature below critical temperature of less than approximately 10 DEG C 10°C. This makes it possible to obtain a constant membrane characteristic line at low temperatures.